

ABSTRACT OF THE DISCLOSURE

An optical information transmission system comprises a plurality of optical transmitters and receivers, each having ports for exchangeable waveguides. Each transmitter has an input for receiving an enable signal assigned to it, and is adapted to generate or not to generate an optical information signal according to the status of the enable signal. A signal generator generates the enable signal whose status indicates whether the receiver is connected via a waveguide to a transmitter or not. Each signal generator is connected to one enable input by an enable control line wired separately from the waveguides and is adapted to generate the enable signal only after a test signal specific for each receiver has been received at its waveguide port. A description of the specific test signal of a receiver is transmitted to the associated transmitter.